MECHATRONICS

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Editors-in-Chief

R W Daniel **J R Hewit**

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Aims and Scope

Mechatronics in its fundamental form can be regarded as the fusion of mechanical and electrical disciplines in modern engineering processes. It is a relatively new concept relating to the design of systems, devices and products aimed at achieving an optimal balance between basic mechanical structure and its overall control.

The purpose of this journal is to provide rapid publication of topical papers featuring practical developments in mechatronics. It will cover a wide range of application areas including consumer product design, instrumentation manufacturing methods, computer integration and process and device control, and will attract a readership from across the industrial and academic spectrum.

Particular importance will be attached to aspects of innovation in mechatronics design philosophy which illustrate the benefits obtainable by an *a priori* integration of functionality with embedded microprocessor control. A major item will be the design of machines, devices and systems possessing a degree of computer based intelligence. The journal seeks to publish research progress in this field with an emphasis on the applied rather than the theoretical. It will also serve the dual role of bringing greater recognition to this important area of engineering.

Mechatronics publishes the following types of papers:

Communications provide rapid publication of important new contributions. Authors are encouraged to submit their manuscripts in camera-ready form and may FAX manuscripts prepared in this way to the Editors-in-Chief.

Articles should describe the original research of high quality and timeliness in the field of mechatronics.

Reviews will generally be specially commissioned, however, suggestions for topics and authors are welcomed by the Editors-in-Chief.

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